

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-144966

(43)Date of publication of application : 29.05.1998

(51)Int.Cl. H01L 33/00
H01L 23/29
H01L 23/31

(21)Application number : 09-249197

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(22)Date of filing : 12.09.1997

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(30)Priority

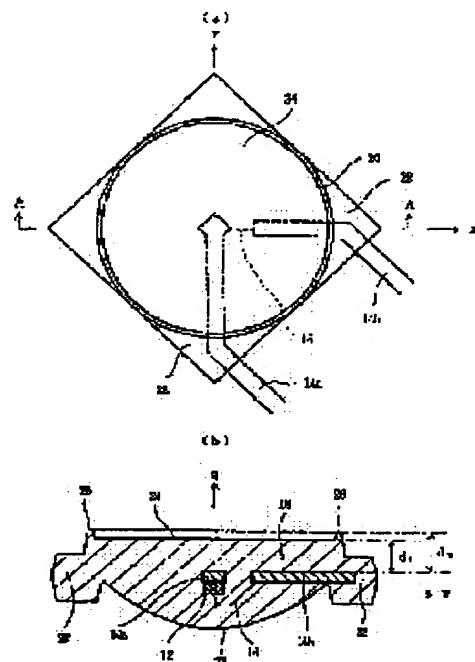
Priority number : 08243040 Priority date : 13.09.1996 Priority country : JP

(54) LIGHT-EMITTING DIODE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a light-emitting diode for improving the formation accuracy of an optical surface, such as a reflection surface and a radiation surface.

SOLUTION: A recessed-surface-shaped reflection surface 22 is provided at the light-emitting surface side of a light-emitting device 12 and is nearly rotary parabolic surface in shape. The center of the light-emitting surface of the light-emitting device 12 is arranged at its focal point. A radiation surface 24 is provided at the rear surface side of the light-emitting device 12. A protruding part 26 that protrudes from the parabolic surface 24 is provided at the periphery of the radiation surface 24. A light-emitting diode is manufactured by the transfer mold method, with which a recessed-surface shaped reflection surface 22 is formed by a lower mold, and the radiation surface 24 is formed by an upper mold. At this time, the remaining air on the upper surface of the upper mold stays at the part of the upper mold, corresponding to the protruding part 26, so that no air layer remains at the part of the upper mold corresponding to the radiation surface 24.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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